www.zavio.com

D520E
Quick Installation Guide

Zavio D520E Quick Installation Guide

Please follow the installation steps below to set up your D520E IP Camera.

Check the package contents against the list below. ***See P.1***
Physical overview. ***See P.2***
Install the hardware and connect all cables. ***See P.3***
Microsoft OS: Use the software CD to install Intelligent IP Installer. ***See P.7***
Access the IP Camera using Intelligent IP Installer. ***See P.7***
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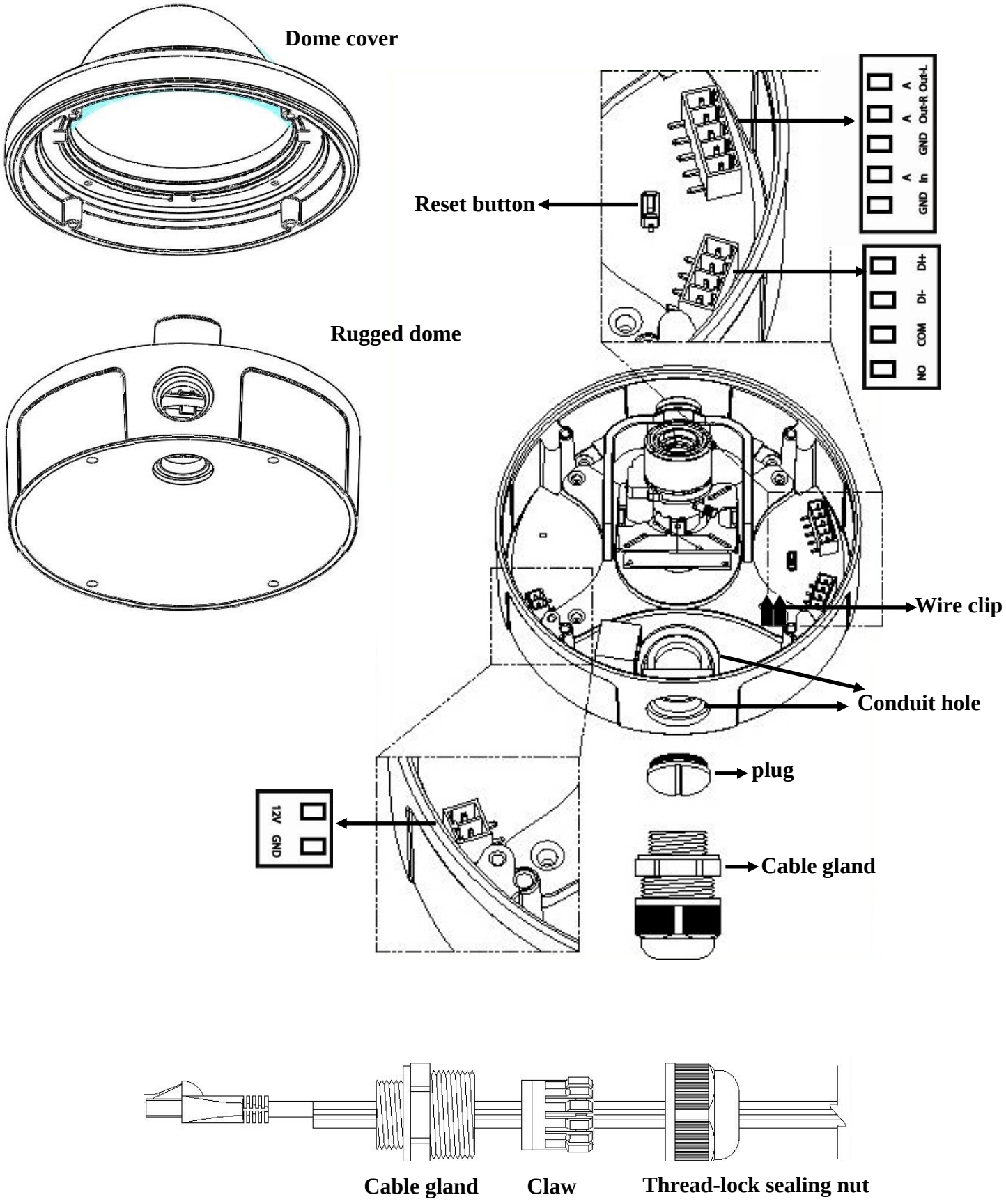
For more information, please check the User Manual available in the Software CD or you can download the latest software from http://www.zavio.com

Package Contents

Camera	D520E Dome IP Camera
Quick Installation Guide	Brief product information and quick installation
Software CD	IP Surveillance Software Intelligent IP Installer User Manuals Language Packs
Accessory	Special hex wrench for temper-proof screw Cable gland Screw pack for wall and ceiling mounting Silicon gel packet * 3 Drill template 2 pin terminal blocks for power 4 pin terminal blocks for DI/DO 5 pin terminal blocks for audio
Wall Mounting Bracket (optional)	Bracket Screw pack for mounting Allen key
Adaptor (optional)	12V DC, max 6W

Physical overview

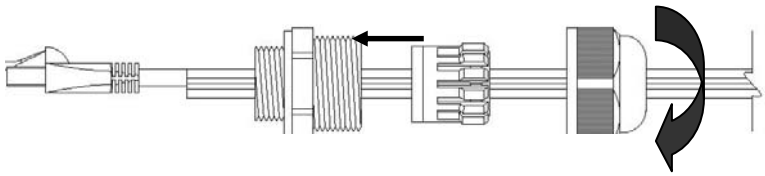


Note: The size of Cable gland is M20*1.5

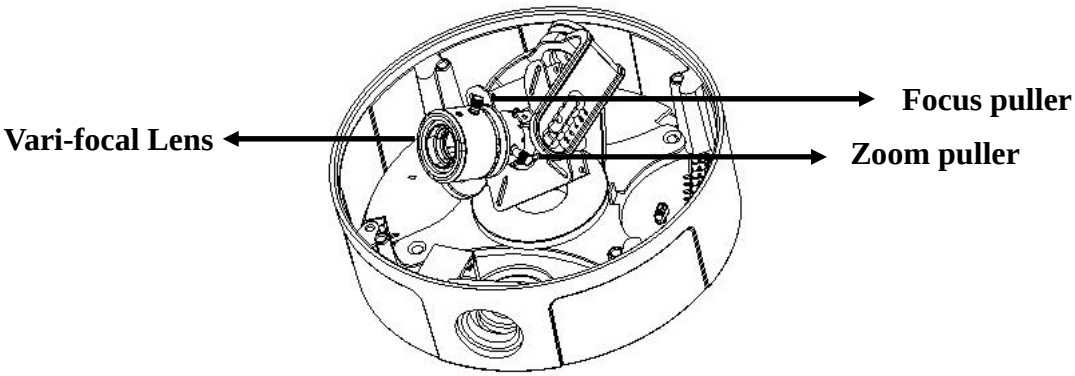
Install the hardware and connect all cables

a. Installer the hardware

1. Loosen the tamper-proof screws using supplied special hex wrench and remove the dome cover from the rugged dome. Be careful do not scratch the cover glass.
2. Disassemble the cable gland.
3. Thread the network and I/O cable (power/audio/digital input and digital output) through thread-lock sealing nut, claw (using the claw to round all cable) and cable gland. To seal all cable in the claw part tightly in case of water leaking.
4. Attach the cable gland to the conduit hole on the side or bottom of the rugged dome. Push the claw into the cable gland and tighten thread-lock sealing nut to secure the cables.



5. Use the supplied blind plug to fill unused conduit hole.
6. Use the drill template, drill four holes in the ceiling or wall. The conduit hole should face downwards if the camera is installed vertically.
7. Install the rugged dome on the ceiling or wall using the supplied screws. Seal the holes with silicon sealant to prevent moisture from leaking in to the dome.
8. Use the cable gland is optional. For vandal-proof requirement of the cables, use vandal-proof conduits instead.
9. Turn the lens to the desired direction. Loosen the zoom puller and rotate the room and determine desired zoom position. Loosen focus puller and focus the image.

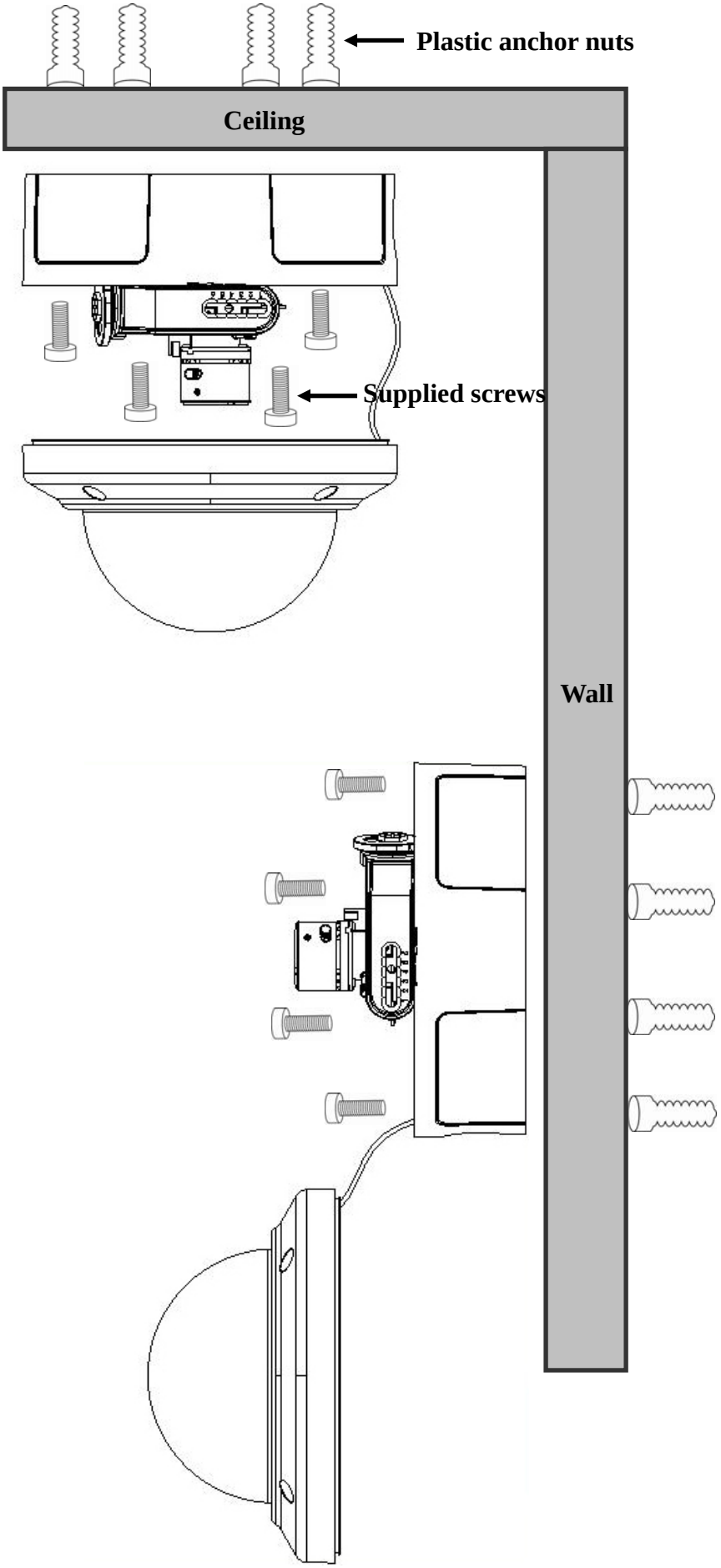


10. After determining zoom and focus, lock the zoom puller and focus puller.
11. Rotate the black protective shield inside the dome to match the camera's position.
12. Use soft cloth to clean dome cover glass to remove dust and finger prints and also use blower to remove dust from the lens.
13. Remove the protective paper form the adhesive stripe on the side of rugged dome. Place the silica gel pack on the camera unit as suggestion.
14. Cover dome and tighten the tamper-proof screws using the special hex wrench.

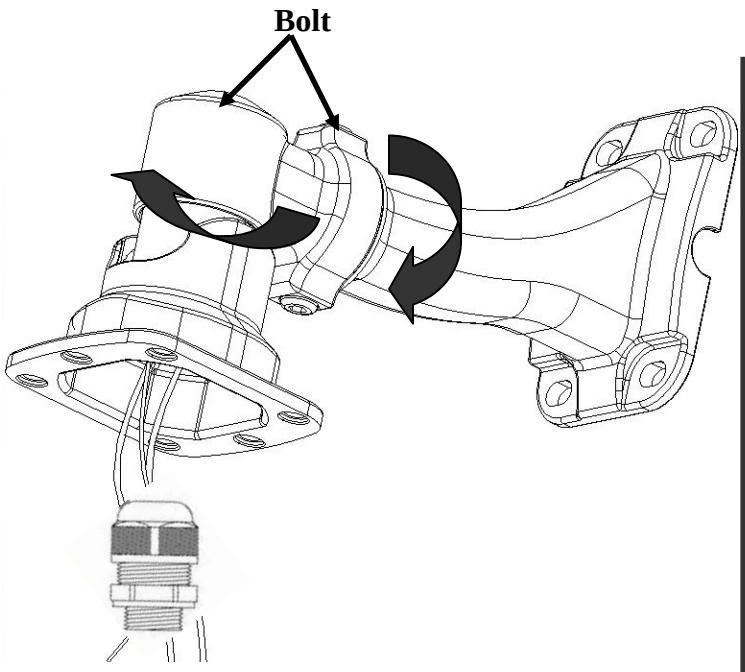
Note: There might be problems of moisture which isn't covered by warranty if dome is not installed by this instruction above.

b.Wall mounting and Ceiling mounting

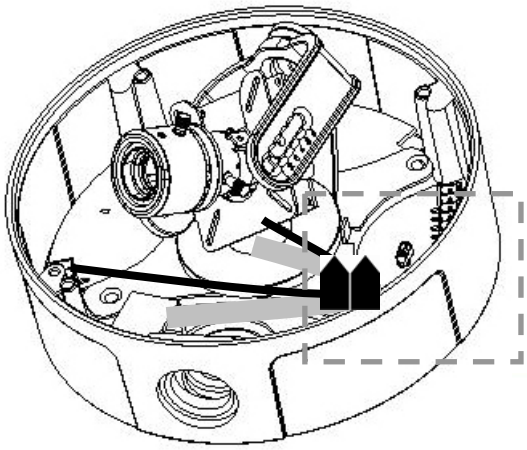
1. Paste the drill template on the Wall or Ceiling which rugged dome desired.
2. Drill four holes in the wall or ceiling and insert plastic anchor nuts into them.
3. Insert the supplied screws into the corresponding anchor nuts and secure them with screwdriver.
4. Cover the rugged dome and tighten the tamper-proof screws using the special hex wrench.



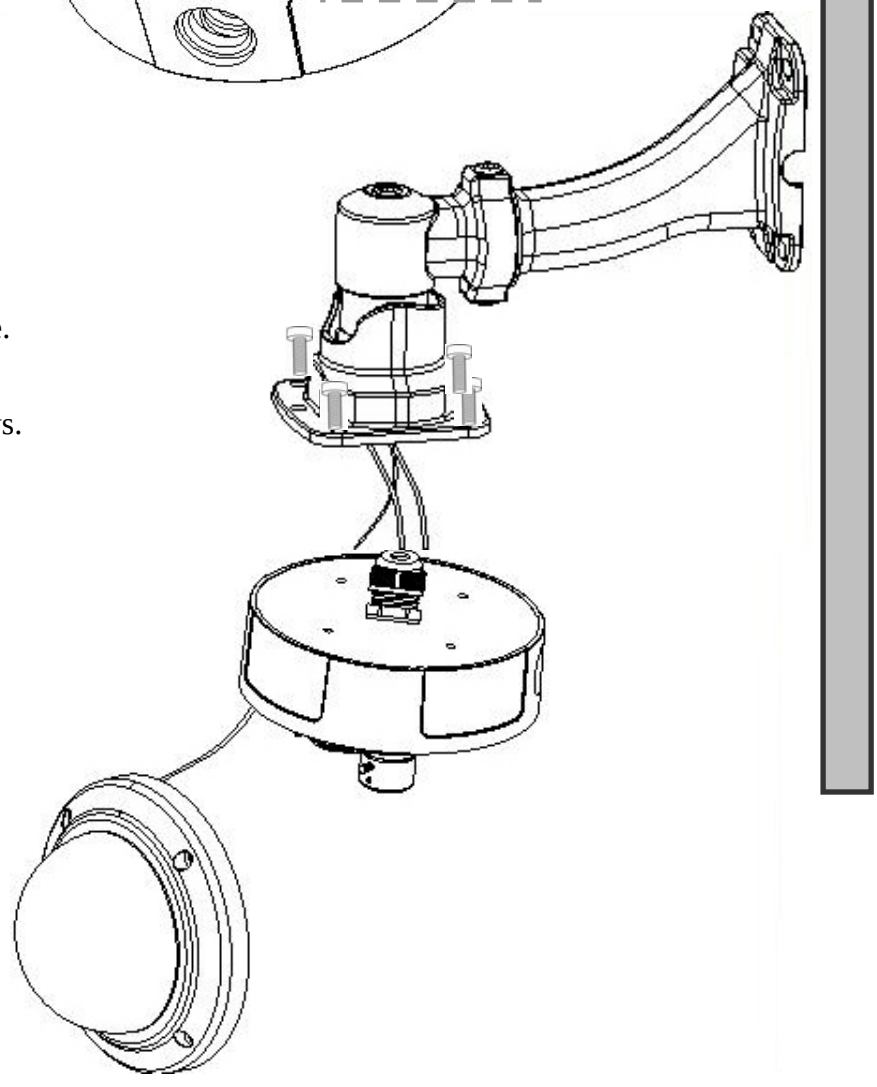
c. Mounting with Bracket (Optional)



1. Route network and power cables through wall and allow extending.
2. Loosen the two bolts to rotate bracket to the desired position.
3. Thread all cable through cable gland.

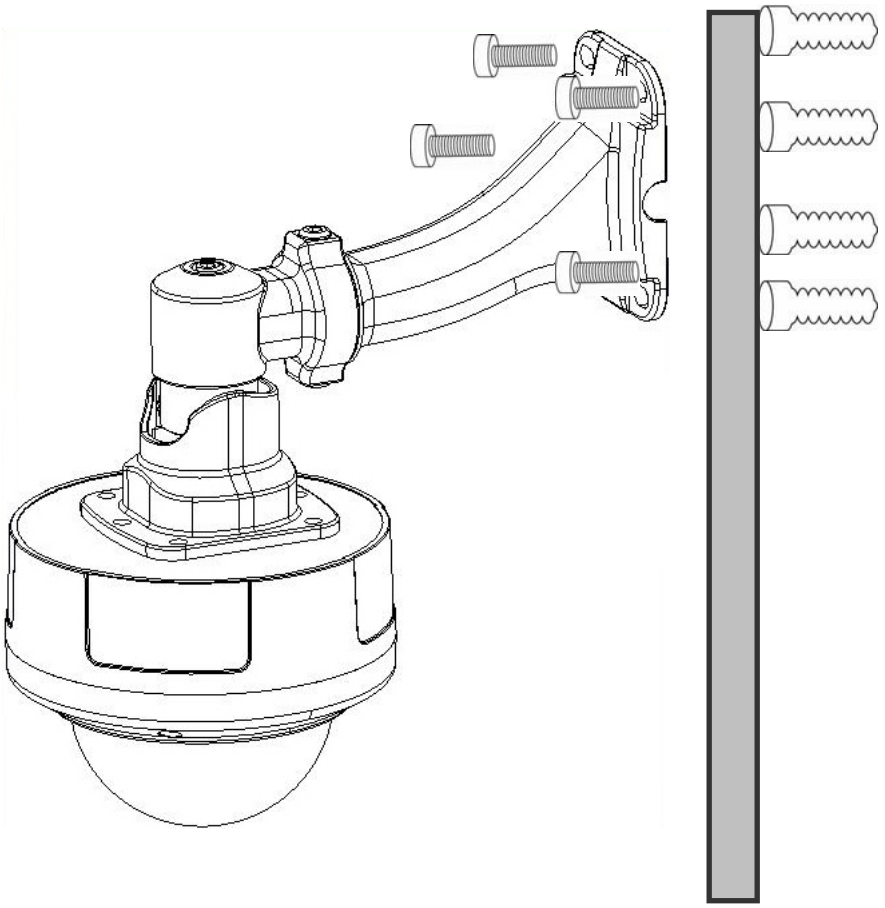


4. Route network cable and power cable and fixe those with wire clip.

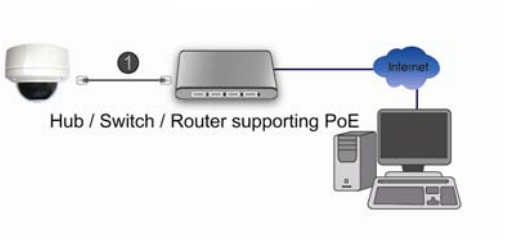


5. Attach cable gland on the conduit hole.
6. Fix wall mounting bracket on rugged dome with four supplied wash and screws.

7. Drill four holes and insert plastic anchor nuts into them.
8. Insert the supplied screws into the corresponding anchor nuts and secure them with screwdriver.



d1

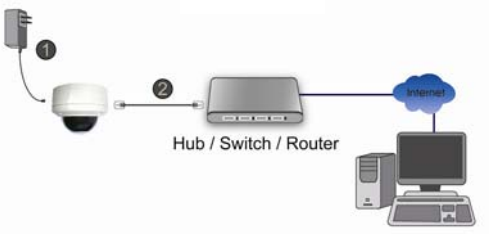


d. Connect all cables

b1. Power over Ethernet (PoE)
1. Using a standard RJ-45 network cable, connect the IP Camera to a PoE-enabled Hub / Switch / Router

b2. Without Power over Ethernet (PoE) connection
1. Connect the power adaptor to the IP Camera.
2. Using a standard RJ-45 network cable, connect the IP Camera to a normal Hub / Switch / Router.

d2



Microsoft OS: Use the software CD to install Intelligent IP Installer

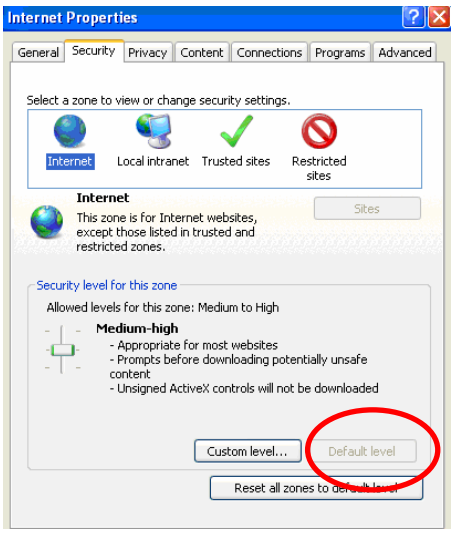
Power on your PC and insert the CD-ROM. The setup page will show up automatically. Please follow those steps to install the firmware.

Select **"Intelligent IP Installer" and follow the installation process to complete the installation.**

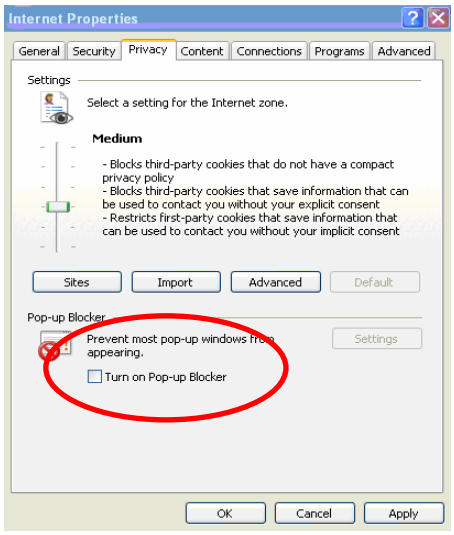
Access the IP Camera using Intelligent IP Installer

1. Before using Intelligent IP Installer, please check two setting.

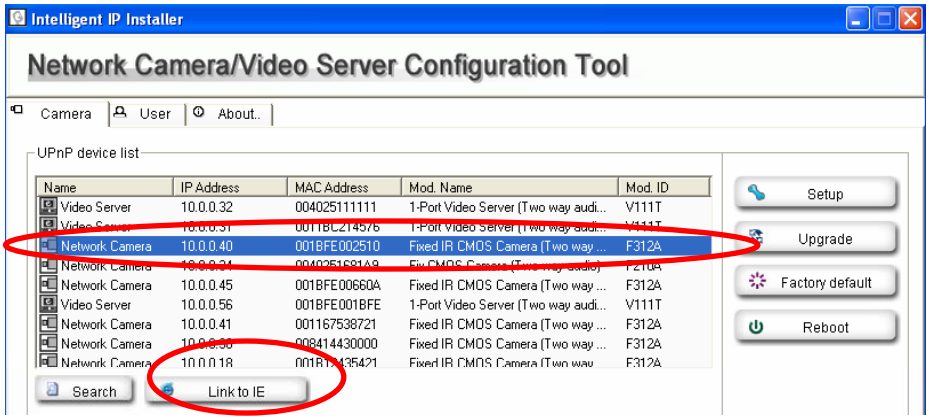
a. Browser's Internet Properties → Security → **Default Level**



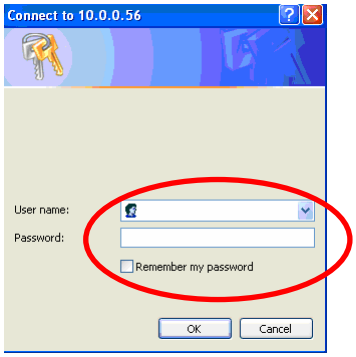
b. Browser's Internet Properties → Privacy → Uncheck **Pop-up Blocker**



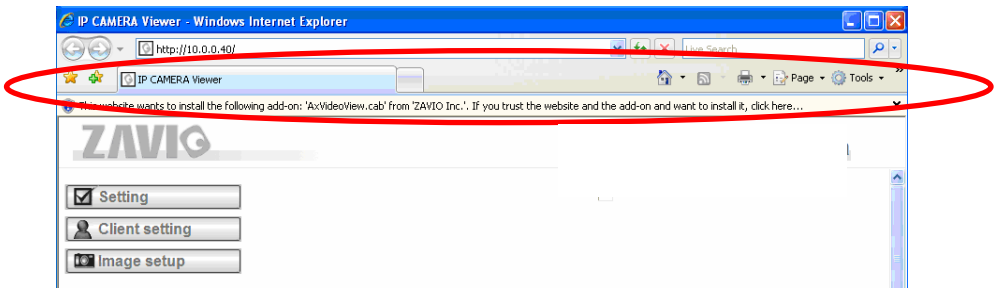
2. Click the Intelligent IP Installer Icon on your desktop. The main page will show up listing all active camera and video server devices. Select the relevant IP camera from the list and click **Link to IE.**


Intelligent IP Installer
Network Camera/Video Server Configuration Tool
Camera
User
About..
UPnP device list
Name
IP Address
MAC Address
Mod. Name
Mod. ID
Video Server 10.0.0.32 004025111111 1-Port Video Server (Two way audi... V111T
Network Camera 10.0.0.40 001BFE002510 Fixed IR CMOS Camera (Two way ... F312A
Network Camera 10.0.0.45 001BFE00660A Fixed IR CMOS Camera (Two way ... F312A
Video Server 10.0.0.56 001BFE001BFE 1-Port Video Server (Two way audi... V111T
Network Camera 10.0.0.41 001167538721 Fixed IR CMOS Camera (Two way ... F312A
Network Camera 008414430000 Fixed IR CMOS Camera (Two way ... F312A
Setup
Upgrade
Factory default
Reboot
Search
Link to IE

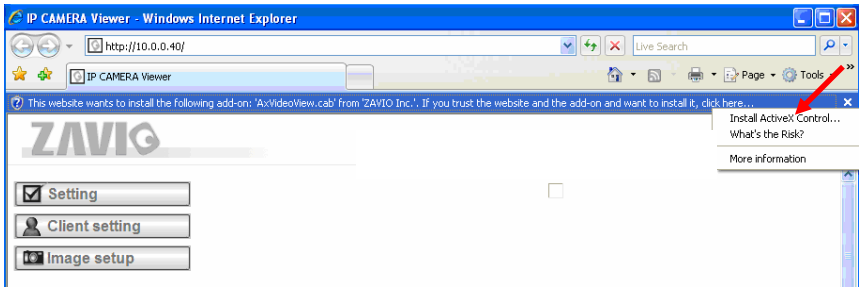
3. Enter your Username and Password to login to the IP Camera.
(Default is admin / admin)



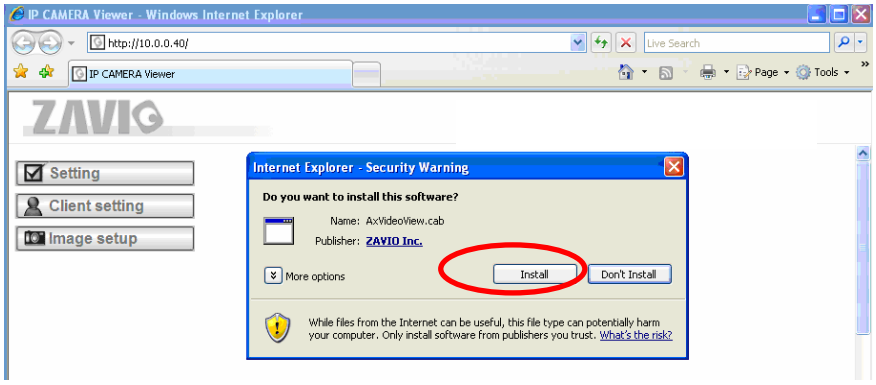
4. When accessing the IP Camera for the first time, a yellow information bar appears below the address bar: **This website wants to install the following add-on: 'AxvideoView.cab from 'Zavio Inc'**.


IP CAMERA Viewer - Windows Internet Explorer
http://10.0.0.40/
IP CAMERA Viewer
This website wants to install the following add-on: 'AxVideoView.cab' from 'ZAVIO Inc.'. If you trust the website and the add-on and want to install it, click here...
ZAVIO
Setting
Client setting
Image setup

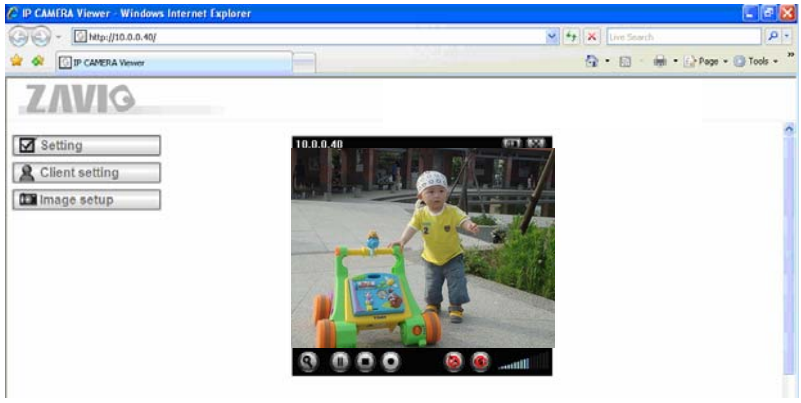
5. Click the information bar, and select **Install ActiveX control**.


IP CAMERA Viewer - Windows Internet Explorer
http://10.0.0.40/
IP CAMERA Viewer
This website wants to install the following add-on: 'AxVideoView.cab' from 'ZAVIO Inc.'. If you trust the website and the add-on and want to install it, click here...
Install ActiveX Control...
What's the Risk?
More information
ZAVIO
Setting
Client setting
Image setup

6. Click **Install**.

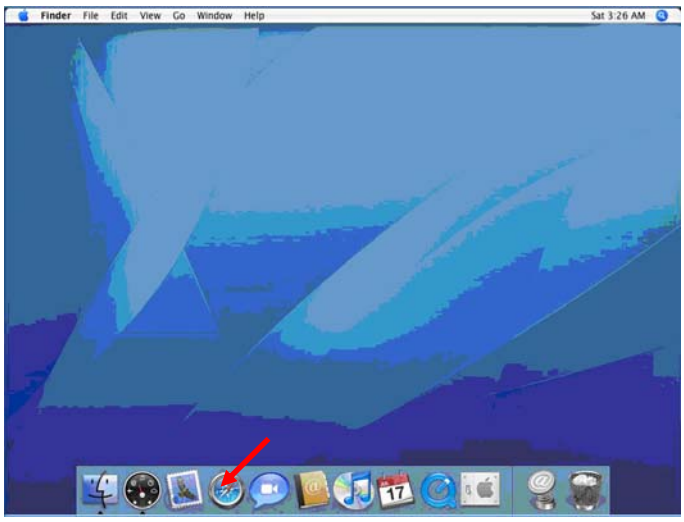

IP CAMERA Viewer - Windows Internet Explorer
http://10.0.0.40/
IP CAMERA Viewer
ZAVIO
Setting
Client setting
Image setup
Internet Explorer - Security Warning
Do you want to install this software?
Name: AxVideoView.cab
Publisher: ZAVIO Inc.
More options
Install
Don't Install
While files from the Internet can be useful, this file type can potentially harm your computer. Only install software from publishers you trust. What's the risk?

7. Live video displays in the centre of your web browser.

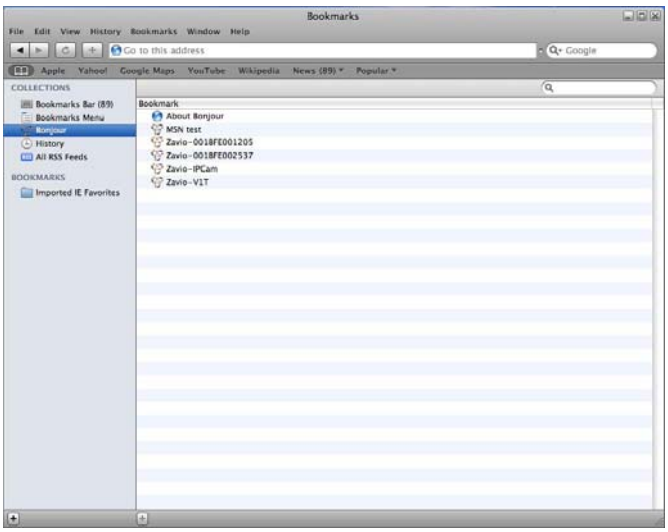


Mac OS using Safari Browser

1. Select **Safari icon**

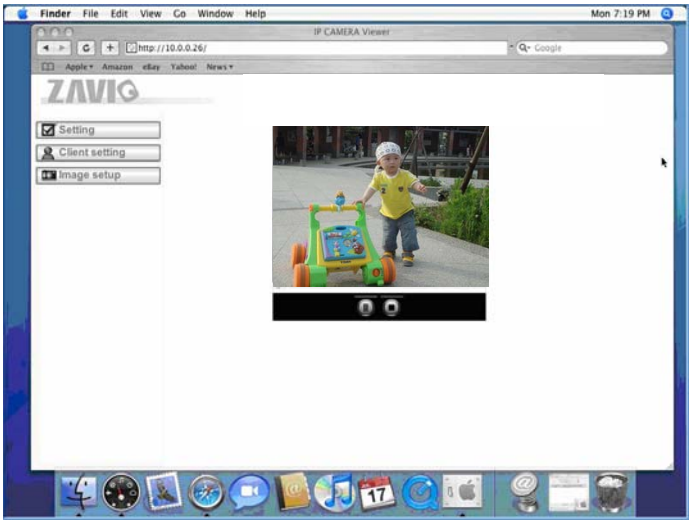


2. Click **Bonjour function** and select the camera you wish to access.



3. Enter name and password to login to the IP camera. (**Default is admin / admin**)

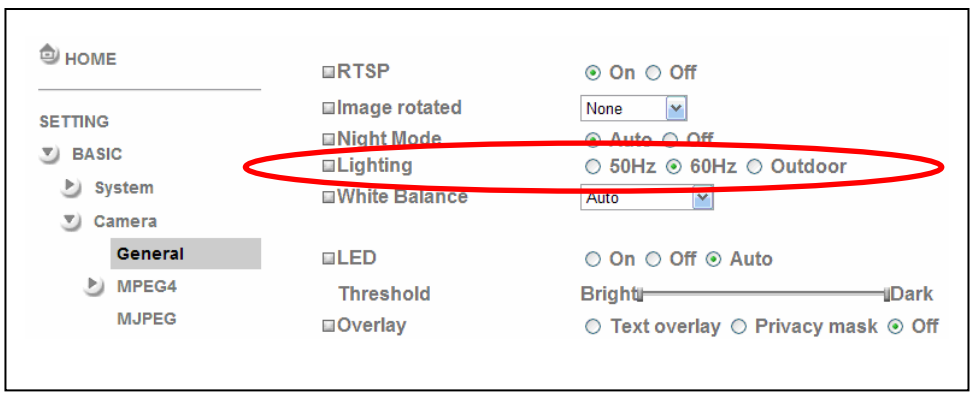
4. The monitor image will be displayed in your browser.



Change light environment setting

The default setting of lighting environment is 60Hz. However, if the image appears flickery, this might be because the lighting environment in your country is 50 Hz. Hence, this setting can be changed into 50Hz. Or if you wish to use this IP Camera in an outdoor environment, this setting can be changed into Outdoor mode.

Go to “Setting → Basic → Camera → General”, choose the environment setting you wish.

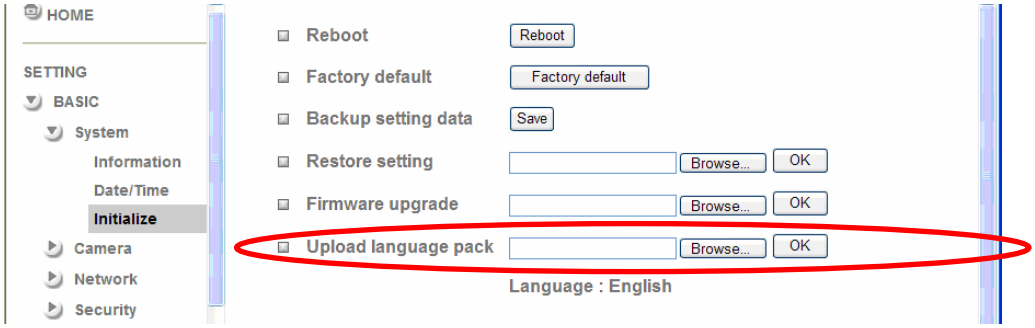


Change the Web Interface into your preferred language

Use the settings screen to set the language of the Web Interface.

Go to "Setting → Basic → System → Initialize".

1. Insert Software CD into your CD-ROM.
2. Browse and select the preferred language from language pack in the Software CD and then click OK.
3. The web interface will change into your preferred language.



Use IP Camera via Mobile Phone

1. Using IP Camera via iPhone

Select Safari function → Enter IP address in the web link → enter username and password (**default value admin/admin**) → The Zavio user interface and Live Image will show up in the middle of the screen.

2. Mobile phone viewing

a. 3G Mobile Phone Streaming Viewing

For 3G mobile phone viewing, please type **" rtsp://<IP>:<PORT>/video.3gp "** into your 3G web media player.

<IP> is the IP address of your IP camera;

<PORT> is the RTSP port of your IP camera (Default value is 554.)

Example: rtsp://100.10.10.1:554/video.3gp

b. 2.5G Mobile Phone Viewing

b1. WAP viewing

For 2.5G WAP mobile phone viewing, type **" http://<IP>/mobile.wml "** into your 2.5G web browser.

b1. Browser viewing

For 2.5G mobile phone browser viewing, type **"http:// <IP>/mobile.htm "** into your 2.5G web browser.

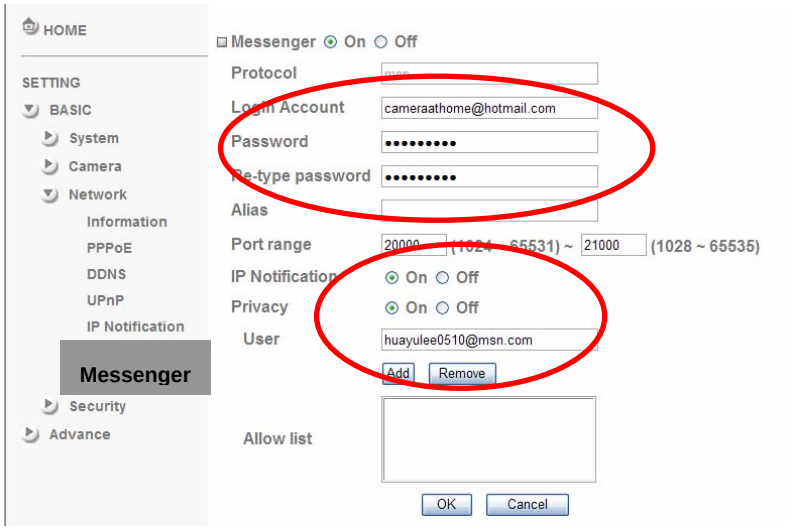
Windows Live Messenger Setting

Live video of the IP Camera can be displayed using Microsoft Live Messenger, whilst providing its public IP address to users for access via the web browser. This feature is useful especially when the IP address of the camera is dynamically assigned.

If you wish to set up MSN Messenger, enter the camera's setting page.

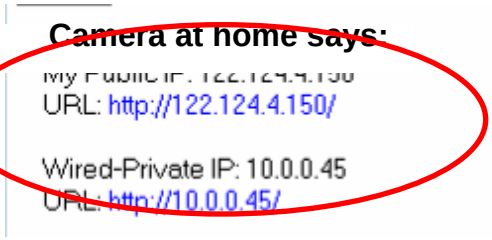
Go to "Setting → Basic → System → Network → Messenger", set the Messenger option "On"

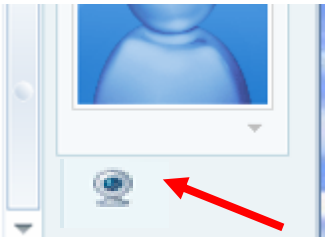
1. Create a new MSN Messenger account (**e.g.: Camera at home**) for the IP Camera
2. Enter the new MSN Messenger Login account and password within the designated boxes
3. Under the **IP Notification Option, Click "On"** to enable IP notification to the users.
4. Under the **Privacy** Option, Click "On" to create an allow list.
5. Use your existing account to login to MSN Messenger.
6. Add the new MSN Messenger account **(e.g.: Camera at home)** to your contact list.



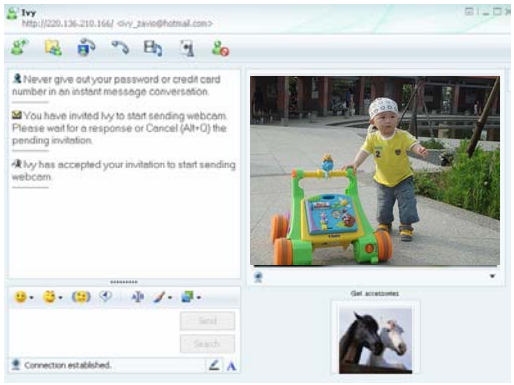
7. The IP Camera will send you a message with its Public IP and Private IP if the IP Notification Option is enabled.

8. Click on the small camera icon. Then, choose “View a new contact's webcam”.

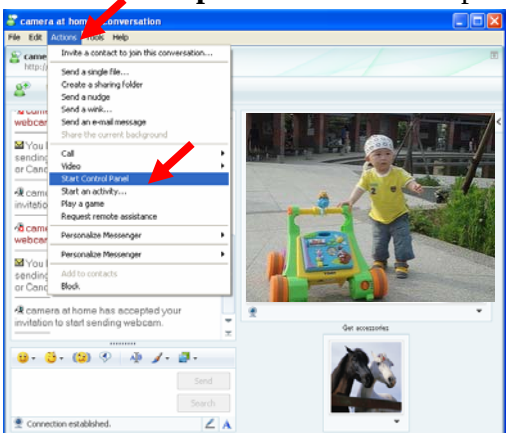




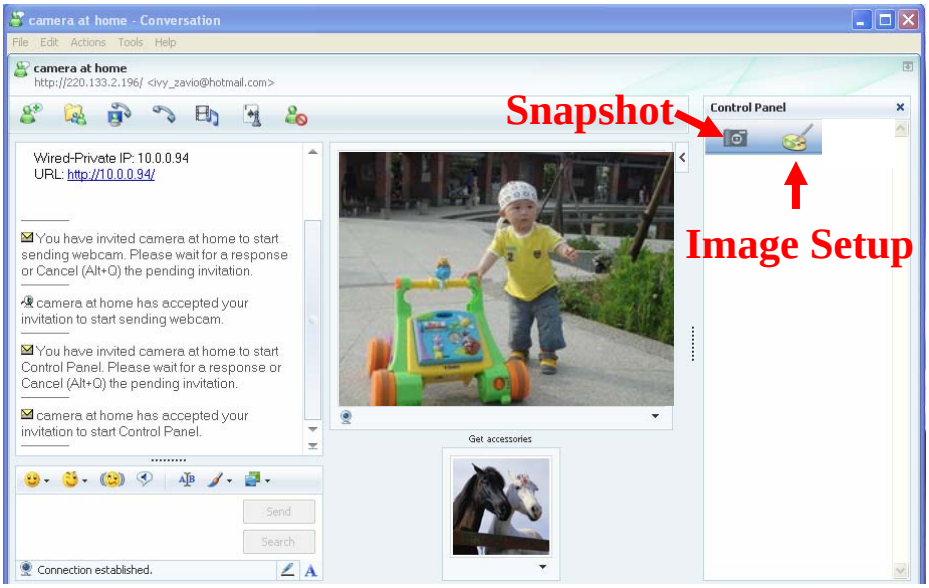
9. The IP Camera automatically accepts your invitation and its live video is displayed.



10. Click **Action** button and choose **Start control panel** to use control panel



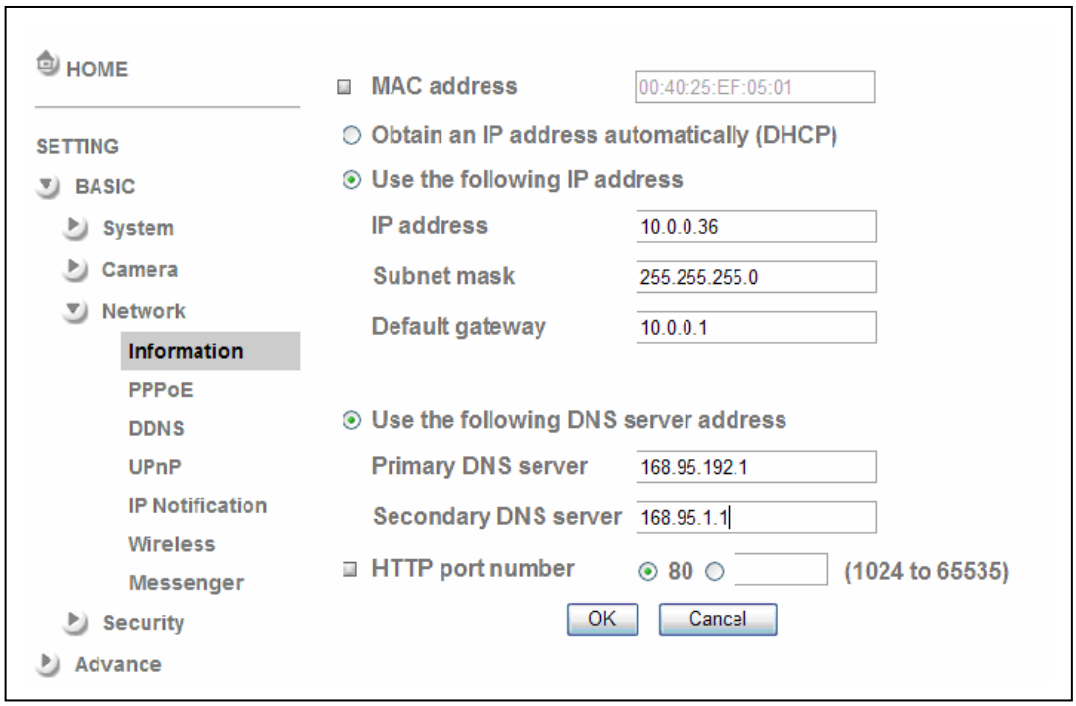
11. You can use **Snapshot, Image Setup** function via MSN add-in control panel.


camera at home - Conversation
File Edit Actions Tools Help
camera at home
http://220.133.2.196/ <ivy_zavio@hotmail.com>
Snapshot
Control Panel
Image Setup
Wired-Private IP: 10.0.0.94
URL: http://10.0.0.94/
You have invited camera at home to start sending webcam. Please wait for a response or Cancel (Alt+Q) the pending invitation.
camera at home has accepted your invitation to start sending webcam.
You have invited camera at home to start Control Panel. Please wait for a response or Cancel (Alt+Q) the pending invitation.
camera at home has accepted your invitation to start Control Panel.
Get accessories
Send
Search
Connection established.

Access to the Internet

a. Internet connectivity of the IP camera can be established by inputting the cameras IP information within the **Information section**.

(Please go to **Setting → Basic → Network→ Information**)

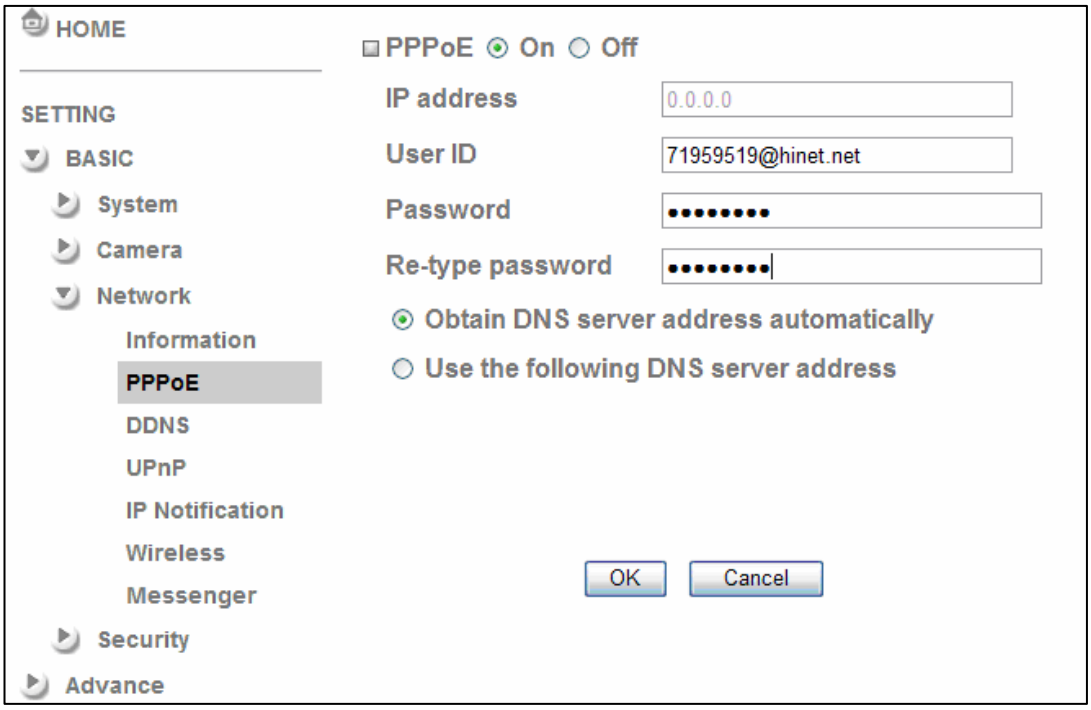


b. Internet Connectivity of the IP Camera can be established through PPPoE (Point-to-Point Protocol over the Ethernet) by inputting the username and password from your Internet Service Provider (ISP) within the **PPPoE section**.

(Please go to **Setting → Basic → Network→ PPPoE**)

Note 1: Please reboot the IP Camera, after changing the PPPoE settings.

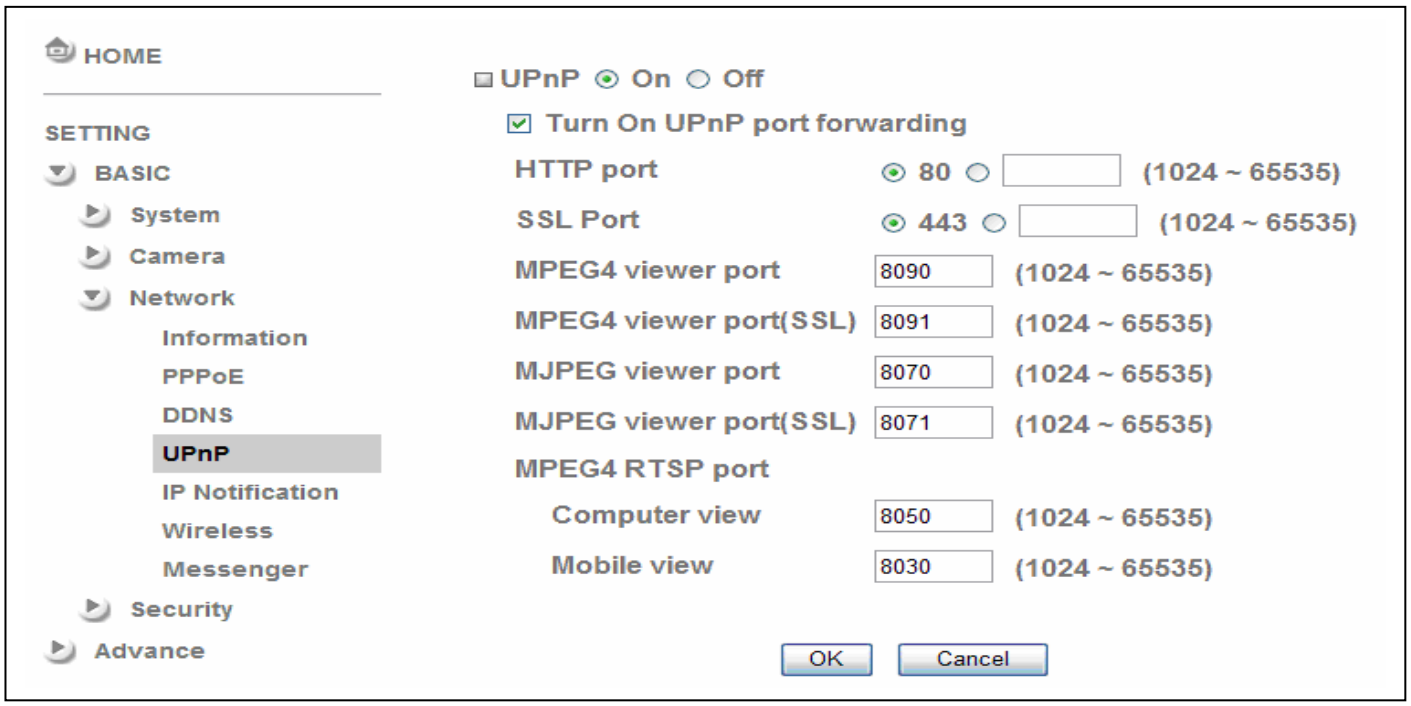
Note 2: Please turn on the DDNS and IP Notification function when using PPPoE.



c. Internet Connectivity of the IP Camera can be established if your router is UPnP (Universal Plug and Play) enabled. The IP camera is automatically detected and added to "My Network Places" on your computer. *Please note that only Home Routers manufactured after 2006 support the UPnP function.*

c1. If your router is a UPnP Internet Gateway Device (IGD), turn on the **UPnP function** within the UPnP section. (Please go **Setting → Basic → Network→ UPnP**)

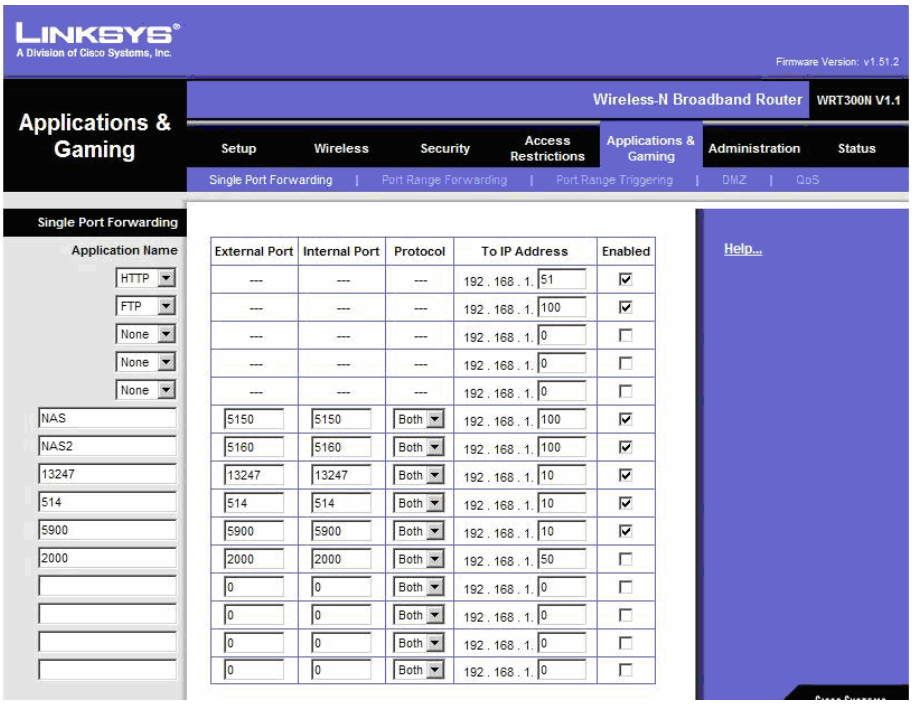
Note: If you turn on the UPnP Port Forwarding function, RTSP (Real Time Streaming Protocol) Port information will change to the illustrated value below.



c2. If your router is not a UPnP Internet Gateway Device, please setup Port Forwarding or Port Mapping

Note 1: Home Routers manufactured before 2006 do not support UPnP IGD function.

Note 2: Enterprise Routers do not support UPnP IGD function.



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